

@YVYbg[YZÀ\f`]WXYf'I bZU```Ui Z Gi dYfa Uf_hdUf_d`Uhn']b'7`cddYbVi f[

"9]b 'hfu[]gWXYf'J cfZU```YfY][bYhY'g]WX 'Ua 'GUa ghu[a]hhu['Ui Z
Y]bYa 'DUf_d`Uhn'Y]bYg'Gi dYfa Uf_hYg']b'7`cddYbVi f[ž'U`g'Y]bY
('!'À\f][Y': i » [Àb[Yf]b'j cb'Y]bYa '5i hc'YfZUggh'k i fXY"'8 Ug
: U\fnYi [ž'XUg'g]Y'ØVYfZi \fž'[Y\ÒfhY'Y]bYf', ,!'À\f][Yb': fUi ž'X]Y
]b'XYf': c`[Y'Y]bYb'GWXcW_Yf`]hh"'8]YgY'G]hi Uh]cb'k]fZh'b]WXh'bi f
: fU[Yb'ni f'JYf_Y\fgg]WXYf\Y]h'Ui Zž'gcbXYfb'j YfXYi h`]WXh'Ui WX'X]Y
; YZU\fYbž'X]Y']b'U``hÀ[`]WXYb'G]hi Uh]cbYb'YbhghY\Yb'_ObbYb"'

"BchZU``a U» bU\a Yb'i bX'gW\bY``Y'<]`ZY'j cb
DUggUbhYb</pre>

 $\label{thm:condition} $$ Y'gWXbY`Y'FYU_h]cb'jcb'DUggUbhYb'gd]Y`hY'Y]bY$ YbhgWXY]XYbXY'Fc``Y''BUWXXYa 'X]Y'GWXfY]Y'XYf'jYf`YhnhYb': fUini '\OfYb'k UfYbž'Y]`Yb'a Y\fYfY'NYi [Yb'ni'<]`ZY'''; Ya Y]bgUa 'a]h Dc`]nY]VYUa hYb'[Y`Ub['Yg']\bYbž'X]Y'('!\A\f][Y'Uig'XYf_f]h]gWXYb'@U[Y'ni'VYZfY]Ybž']bXYa 'g]Y'g]Y'jcfg]WXh]['jca: U\fnYi ['YbhZYfbhYb''FYhhib[g_f\ZhY'k UfYb'ia [Y\YbX'jcf'CfhibX'hfUbgdcfh]YfhYb'X]Y'gWXk Yf'jYf`YhnhY': fUi']b'Y]b bU\Y[Y`Y[YbYg'?fUb_Yb\Uig''$

``8]Y`5i gk]f_i b[Yb`Ui Z`X]Y`VYhfcZZYbYb DYfgcbYb ": Øf'X]Y', , !'À\f][Y'5i hc ZU\fYf]bž'X]Y'XYb'I bZU```a Ò[`]W\Yfk Y]gY
b]W\h'j cfUi gU\bYb'_cbbhYž'k Uf'XUg'9fY][b]g'YVYbZU``g
hfUi a Uh]gW\"'G]Y'Yf`]hh'Y]bYb'GW\cW_'i bX'a i gghY'dgmW\c`c[]gW\
VYhfYi h'k YfXYb"'8]Y'dgmW\c`c[]gW\Yb'5i gk]f_i b[Yb'gc`W\Yf
9fY][b]ggYž'gck c\``ZØf'XYb': U\fYf'U`g'Ui W\'ZØf'X]Y'CdZYfž'_ÒbbYb
[fUj]YfYbX'gY]b'i bX'XUg'[YgUa hY'@YVYb'VYY]bZi ggYb"'

''6YXYi hi b['XYf'JYf_Y\fgg]WXYf\Y]h'i bX I bZU``i fgUWXYb

"8Yf'JcfZU```\Uh'VYfY]hg'Y]bY'9fa]hh`i b['XYf'Dc`]nY]'Ui g[Y`Òghž'X]Y
XYf': fU[Y'bUWX [Y\hž'k]Y'Yg'ni 'XYa 'JcfZU```_ca a Yb'_cbbhY"
JYf_Y\fgg]WXYf\Y]h'V`Y]Vh'Y]b'k]WXh][Yg'H\Ya Už']bgVYgcbXYfY']b
ghUf_'ZfYei Ybh]YfhYb'6YfY]WXYb'k]Y'Gi dYfa Uf_hdUf_d`AhnYb"
: U\fnYi [ZØ\fYbXY'gc``hYb'VYgcbXYfg'k UWXgUa 'gY]bž'i a
: i » [Ab[Yf'ni 'gWXØhnYb"' A\f`]WX' []Vh'Yg'nU\`fY]WXY'A\b`]WXY
I bZA``Yž'X]Y'Ui Z'a Ub[Y`bXY'5i Za Yf_gUa _Y]h'i bX
G]WXYf\Y]hgj cf_Y\fi b[Yb'ni fØW_ni ZØ\fYb'g]bX"'

:: Un]h.; Ya Y]bgWX UZh`]WX Y`I bhYfghØhni b[U`g`@YVYbgfYhhYf

"@Yhnh`]W\ 'nY][h'X]YgYf'hfU[]gW\ Y 'J cfZU``ž'k]Y 'k]W\ h][
[Ya Y]bgW\ UZh`]W\ Y 'I bhYfghØhni b[']b 'B chg]hi Uh]cbYb ']gh" '8]Y
HUhgUW\ Yž'XUgg 'NYi [Yb 'gc Zcfh' [Y\ Ub XY`h'\ UVYbž'fYhhYhY
a Ò[`]W\ Yfk Y]gY 'XUg '@YVYb 'XYf' (' ! 'À\f][Yb ': fUi "'9g']gh
YbhgW\ Y]XYbXž'XUgg 'DYfgcbYb 'NYi [Yb 'gc `W\ Yf' I bZ\ ``Y'V`Y]VYbž
i a ']\fY'A]ha YbgW\ Yb 'ni 'gW\ ØhnYb 'i bX'ni '\Y`ZYb"'Gc `W\ Y
9fY][b]ggY 'Yf]bbYfb 'i bg'Ub 'i bgYfY 'J YfUbhk cfhi b['Ui Z'XYb
GhfU» Yb 'i bX'Ub 'X]Y 'K]W\ h][_Y]hž']a 'J Yf_Y\ f'Ui Za Yf_gUa 'ni 'gY]b"

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U["XY